

Appl. No. 09/640,168
Amdt. dated December 1, 2003
Preliminary Amendment

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A monitor system comprising:

a host computer;

a first monitor connected to said host computer via a monitor port;

a second monitor, separate and unattached to said first monitor and smaller than said first monitor and coupled to said computer via a shared peripheral bus that is different from an internal bus residing in said host computer;

a first shared peripheral bus interface coupling said internal bus to said shared peripheral bus;

a first memory configured to store image information transmitted to said second monitor;

a second memory configured to store image information to be transmitted to said second monitor; and

a video driver in said host computer for providing a portion of a display on said first monitor to said second monitor, said video driver being operable to compare said first and second memories to determine whether or not a first portion of an image displayed on said second monitor is to be modified and a second portion of said image displayed on said second monitor is to be left unmodified,

wherein image data corresponding to said first portion of said image are transmitted to said second monitor and image data corresponding to said second portion of said image are not transmitted to said second monitor.

2. (Currently Amended) The system of claim 1 ~~further comprising a wherein~~ said shared peripheral bus is a universal serial bus (USB), and wherein a peripheral device other

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than said second monitor is coupled to said host computer via said first shared peripheral bus
interface connected between said host computer and said second monitor.

3. (Original) The system of claim 2 wherein said second monitor is powered by said shared peripheral bus.

4. Canceled.

5. (Original) The system of claim 1 wherein said portion of a display comprises a separate window from said first monitor.

6. (Original) The system of claim 1 wherein said portion of a display is provided only to said second monitor.

7. (Original) The system of claim 1 further comprising a compression unit for compressing said portion of said display for transmission to said second monitor.

8. (Original) The system of claim 1 further comprising a software operating system controlling said first computer, said operating system controlling the transmission of video data to said second monitor.

9. (Currently Amended) The system of claim 1 wherein said second monitor includes:

a display screen;

a display controller coupled to said display screen;

a video memory coupled to said display controller; and

a second shared peripheral bus interface coupled to said video memory.

10. The system of claim 1 wherein a display screen on said second monitor is less than 8.5 inches diagonally.

11. (Original) The system of claim 1 wherein said second monitor includes a touch screen.

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12. (Original) The system of claim 1 wherein said second monitor includes icons for control of a display on said first monitor.

13. (Original) The system of claim 1 wherein said second monitor includes a transmission capability for providing data to said computer on the activation of buttons or icons on said second monitor.

14. (Original) The system of claim 13 wherein said transmission capability is wireless.

15. (Currently Amended) A monitor system comprising:

a host computer;

a shared peripheral bus connected to said host computer;

a first monitor connected to said host computer;

a first shared peripheral bus interface coupling said shared peripheral bus to an internal bus residing in said host computer, said first shared peripheral bus interface being configured to interface with a plurality of peripheral devices;

a second monitor, smaller than said first monitor, connected to said shared peripheral bus, said second monitor including

a display screen on said second monitor of less than 8.5 inches diagonally;

a display controller connected to said display screen,

a video memory connected to said display controller,

a second shared peripheral bus interface connected to said video memory, and

a power input connected to said bus so that the power for said second monitor is derived from said shared peripheral bus;

a compression unit in said host computer for compressing said portion of said display for transmission to said second monitor;

a video driver in said host computer for providing a separate window of a display to said second monitor and not to said first monitor.

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16. (Original) The system of claim 15 wherein said shared peripheral bus is a universal serial bus.

17. (Original) The system of claim 15 further comprising a software operating system controlling said first computer, said operating system controlling the transmission of video data to said second monitor.

18. (Currently Amended) An apparatus comprising:
a second display screen for connection to a host computer having a first display screen, said second display screen being separate and unattached to said first display screen and smaller than said first display screen, said second display screen comprising:
a display controller coupled to said second display screen;
a video memory coupled to said display controller;
a shared bus interface, coupled to said video memory, for providing an interface with a shared peripheral bus that is coupled to a bus in a remote host computer; and
a power input connected to said shared peripheral bus so that the power for said second display screen is derived from said shared peripheral bus.

19. (Previously Presented) The system of claim 15, further comprising:
a first bitmap configured to store image information transmitted to said second monitor; and
a second bitmap configured to store image information to be transmitted to said second monitor,
wherein said video driver is configured to compare said first and second bitmaps to determine whether or not a first portion of an image displayed on said second monitor is to be modified and a second portion of said image displayed on said second monitor is to be left unmodified,
wherein image data corresponding to said first portion of said image are transmitted to said second monitor and image data corresponding to said second portion of said image are not transmitted to said second monitor.

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